



IEEE HOME | SEARCH IEEE | SHOP | WEB ACCOUNT | CONTACT IEEE

Membership Publications/Services Standards Conferences Careers/Jobs

IEEE Xplore®
RELEASE 1.6

Welcome
United States Patent and Trademark Office

1
1
1
» ABS

Help FAQ Terms IEEE Peer Review

Quick Links

Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

Search

- By Author
- Basic
- Advanced

Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

Search Results [PDF FULL-TEXT 404 KB] PREV NEXT DOWNLOAD CITATION

Request Permissions
RIGHTSLINK

Garbage collection in message passing distributed systems

Sreenivas, M.V. Bhalla, S.

Div. of Comput. Eng., Delhi Inst. of Technol., India;

This paper appears in: Parallel Algorithms/Architecture Synthesis, 1995 Proceedings. First Aizu International Symposium on

Meeting Date: 03/15/1995 - 03/17/1995

Publication Date: 15-17 March 1995

Location: Fukushima Japan

On page(s): 213 - 218

Reference Cited: 12

Inspec Accession Number: 4917913

Abstract:

Distributed systems use optimistic message logging for **recovery** from transient failures. Such a **recovery** is facilitated by asynchronous message logging and pointing. It is also supported by **garbage collection** which requires identifying in stable storage that are no longer needed for the process of **recovery**. For this purpose, it is necessary to keep track of message dependencies between processes. A model to keep track of state dependencies using dependency graphs has been proposed

Index Terms:

asynchronous message logging check-pointing dependency graphs fault tolerant computing garbage collection message dependencies message passing message passing distributed systems optimistic message logging process states reliability software fault tolerance storage management system recovery transient process failures asynchronous message logging check-pointing dependency graphs fault tolerant computing garbage collection message dependencies message passing message passing distributed systems optimistic message logging process states reliability software fault tolerance stable storage management system recovery transient process failures

Documents that cite this document

There are no citing documents available in IEEE Xplore at this time.

Search Results [PDF FULL-TEXT 404 KB] PREV NEXT DOWNLOAD CITATION

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved